

### Abstract

The present invention provides a small, thin, light and low cost zoom lens suitable for  
5 cellular telephones, portable information terminals, etc. In particular, it can provide a small and  
thin, high performance zoom lens having a zoom ratio of approximately 2, a depth of less than 9  
mm during shooting and in storage, a total lens length of less than 30 mm, an angle of view of  
approximately  $61^\circ$ , and a F number of approximately 2.8 providing a sufficient light, with various  
aberrations all suitably corrected.

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